Joint and Common Market

2. MISO AND PJM DAY-AHEAD MARKETS
September Meeting - Opportunities for Improvement

• (Short-term) Coordination of Day Ahead Market Constraint Input
  • DA/OA language revisions – In Progress/Finalizing
  • Develop link of outage data to active constraints – In Progress
  • Automate screening of associated constraints (Monitored/Contingent elements) - Completed
  • Update data exchange to include outage links & constraint data – In Progress

• (Mid-term) Topology Input Improvement - Automate DA Market outage exchange
  • Create/maintain device mapping between PJM/MISO models
  • Automatically exchange of MISO/PJM DAM outage data sets
  • Review/align RTO Outage Submission rules
Day Ahead Enhancements

- Initiated and conducted periodic, scheduled site visits to foster discussion and best practices
- Expanded and automated the daily data exchange between DA market operators
  - DA and RT M2M FG binding results for current and previous day
  - MISO Wind Forecast
- Frequent discussions and enhanced market operator interaction regarding operational and outage information including daily interaction to review next day’s conditions
  - Drivers of potential constraints on M2M flowgates such as outage schedules
  - Enhanced next-day model coordination
  - Initiated review of JOA language for improvements to clarity and transparency
RT and Transparency Enhancements

- Enhanced real time data exchange including additional real time constraint data and additional, after-the-fact settlement inputs to facilitate the daily review process
- Enhancements to Market Flow calculation for Joint Owned Units
- Implemented enhanced Market Flow calculator to improve accuracy, transparency and flexibility
- Transparency initiatives:
  - Posted the active Market-to-Market flowgate list
  - Began posting MISO and PJM Firm Flow Entitlement (FFE) values
  - Began posting hourly, flowgate-by-flowgate Market-to-Market settlement results
  - Documented procedures and options for scheduling Jointly Owned Units between RTO markets
DA Market Improvement/Alignment Plan and Timeline

Long-Term (>=12 months)
- Assumption/DA data Exchange
- FG Utilization Coordination

Mid-Term (6-12 months)
- Topology Inputs
  - Operational Assumption Exchange

Short-term (<=6 months)
- Constraint Inputs
- Assumption/DA data Exchange
  - FG Utilization Coordination
Markets Contacts
PJM: Mike Ward wardm@pjm.com
MISO: Aaron Casto Acasto@MISOEnergy.com